

I Claim:

1. An optical module for holding an optical fiber and optical component in alignment, said module comprising:
 - a. a housing having an inside and an outside;
 - b. a platform inside the housing;
 - c. a first assembly surrounding said optical fiber;
 - d. a second assembly surrounding said optical fiber;
 - e. said platform supporting said optical fiber, said optical component, and said first assembly;
 - f. said first assembly being between said second assembly and said optical component.
2. The optical module of claim 1 wherein said first assembly has an aperture, said second assembly has an aperture, said apertures having a center, said centers being substantially axially aligned; and further comprising a third assembly surrounding said optical fiber, said third assembly being inserted into said apertures.
3. The optical module of claim 1 wherein said first assembly is affixed to said platform; and said second assembly is affixed to said first assembly and to said third assembly.
4. The optical module of claim 1 wherein the height of said first assembly is greater than the height of said second assembly.
5. The optical module of claim 1 wherein the width of said first assembly is greater than the width of said second assembly.

6. The optical module of claim 1 wherein the width of said first assembly is greater than the width of said platform.

7. The optical module of claim 5 wherein said second assembly is affixed to said third assembly with a first set of welds and said second assembly is affixed to said third assembly with a second set of welds; wherein a line from said optical component past a first edge of said second assembly and a line from said first set of welds past a second edge of said second assembly forms an angle.

8. The optical module of claim 7 wherein said angle is at least 90 degrees.

9. The optical module of claim 7 wherein said angle is in the range of 90 degrees to 180 degrees.

10. An optical module for holding an optical fiber and optical component in alignment, said module comprising:

- a. a housing having an inside and an outside;
- b. a platform inside the housing;
- c. a screen having a first aperture and being supported by said platform;
- d. a flange having a second aperture;
- e. a hollow sleeve encasing said optical fiber;
- f. said first and second apertures each having a center, said centers being

substantially axially aligned;

g. said sleeve, with said encased optical fiber, being located inside said first and second apertures; and

h. said flange being affixed to said sleeve and to said screen.

11. The optical module of claim 10 wherein the height of said screen is greater

than the height of said flange;

12. The optical module of claim 10 wherein the width of said screen is greater than the width of said flange.

13. The optical module of claim 10 wherein the width of said screen is greater than the width of said platform.

14. The optical module of claim 10 wherein said flange is affixed to said screen with a first set of welds and is affixed to said sleeve with a second set of welds.

15. The optical module of claim 14 wherein a line from said optical component past a first edge of said screen and a line from said first set of welds past a second edge of said screen forms an angle.

16. The optical module of claim 15 wherein said angle is at least 90 degrees.

17. The optical module of claim 15 wherein said angle is in the range of 90 degrees to 180 degrees.

18. An optical module for holding an optical fiber and optical component in alignment, said module comprising:

- a. a housing having an inside and an outside;
- b. a first assembly surrounding said optical fiber;
- c. a second assembly surrounding said optical fiber;
- d. said housing supporting said optical fiber, said optical component, and said first assembly;
- e. said first assembly being between said second assembly and said optical component.

19. The optical module of claim 18 wherein the height of said first assembly is

greater than the height of said second assembly.

20. The optical module of claim 18 wherein the width of said first assembly is greater than the width of said second assembly.

Year	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	